

**IN THE CLAIMS:**

1. (Currently Amended) A method of displaying hierarchical call dependencies comprising the steps of:  
selecting a routine from a routine list displayed in one of a first window region and a second window region; and  
displaying one of a first set of routines routine called by said routine in said first window region and a second set of routines routine calling said routine in said second window region in response to said selection.
2. (Original) The method of claim 1 wherein said first window region comprises a calls window region and said second window region comprises a called-by window region.
3. (Original) The method of claim 1 wherein said routine list is contained in a plurality of data structures stored in a database.
4. (Currently Amended) The method of claim 1 wherein said step of displaying one of said first set of routines routine and said second set of routines routine further comprises the step of displaying said one of said first set of routines and said second set of routines in a tree hierarchy.
5. (Original) The method of claim 1 wherein said step of selecting said routine from a routine list comprises the steps of selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.
6. (Currently Amended) The method of claim 1 further comprising the step of accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises the step of displaying said one of said first set of routines and said second set of routines in response to a routine identifier,

corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.

7. (Currently Amended) The method of claim 6 wherein said step of displaying said one of said first set of routines and said second set of routines further comprises the step of displaying said first set of routines routine in response to said routine identifier in a routine field of said entry.

8. (Currently Amended) The method of claim 6 wherein said step of displaying said one of said first set of routines and said second set of routines further comprises the step of displaying said second set of routines routine in response to said routine identifier in a routine called field of said entry.

9. (Currently Amended) The method of claim 1 further comprising the step of specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises the step of displaying said one of said first set of routines and said second set of routines in response to said routine type.

10. (Currently Amended) The method of claim 1 further comprising the step of displaying said routine list in said first window region and said second window region regions.

11. (Currently Amended) A data processing system comprising:  
circuitry operable for selecting a routine from a routine list displayed in one of a first window region and a second window region; and  
circuitry operable for displaying one of a first set of routines routine called by said routine in said first window region and a second set of routines routine calling said routine in said second window region in response to said selection.

12. (Original) The data processing system of claim 11 wherein said first window region comprises a calls window region and said second window region comprises a called-by window region.
13. (Original) The data processing system of claim 11 wherein said routine list is contained in a plurality of data structures stored in a database.
14. (Currently Amended) The data processing system of claim 11 wherein said circuitry operable of displaying one of said first set of routines ~~routine~~ and said second set of routines ~~routine~~ further comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in a tree hierarchy.
15. (Original) The data processing system of claim 11 wherein said circuitry operable for selecting said routine from a routine list comprises circuitry operable for selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.
16. (Currently Amended) The data processing system of claim 11 further comprising circuitry operable for accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in response to a routine identifier, corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.
17. (Currently Amended) The data processing system of claim 16 wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines further comprises circuitry operable for displaying said first set of routines ~~routine~~ in response to said routine identifier in a routine field of said entry.

18. (Currently Amended) The data processing system of claim 16 wherein said circuitry operable for displaying said one of said first set of routines and said second set of routines further comprises circuitry operable for displaying said second set of routines routine in response to said routine identifier in a routine called field of said entry.

19. (Currently Amended) The data processing system of claim 11 further comprising circuitry operable for specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises circuitry operable for displaying said one of said first set of routines and said second set of routines in response to said routine type.

20. (Currently Amended) The data processing system of claim 11 further comprising circuitry operable for displaying said routine list in said first window region and said second window region regions.

21. (Currently Amended) A computer program product comprising a computer usable medium having computer usable program code operable for storage on program storage media, the program product operable for displaying hierarchical call dependencies, the computer program product including:

computer usable program code programming for selecting a routine from a routine list displayed in one of a first window region and a second window region; and  
computer usable program code programming for displaying one of a first set of routines routine called by said routine in said first window region and a second set of routines routine calling said routine in said second window region in response to said selection.

22. (Currently Amended) The computer program product of claim 21 wherein said first window region comprises a calls window region and said second window region comprises a called-by window region.

23. (Currently Amended) The computer program product of claim 21 wherein said routine list is contained in a plurality of data structures stored in a database.

24. (Currently Amended) The computer program product of claim 21 wherein said computer usable program code programming for displaying one of said first set of routines ~~routine~~ and said second set of routines ~~routine~~ further comprises computer usable program code programming for displaying said one of said first set of routines and said second set of routines in a tree hierarchy.

25. (Currently Amended) The computer program product of claim 21 wherein said computer usable program code programming for selecting said routine from a routine list comprises computer usable program code programming for selecting an icon associated with said routine, wherein said icon flags said routine as having an undisplayed routine dependency.

26. (Currently Amended) The computer program product of claim 21 further comprising computer usable program code programming for accessing a data structure stored in a database, said data structure having an entry corresponding to said routine, and wherein said computer usable program code programming for displaying said one of said first set of routines and said second set of routines comprises computer usable program code programming for displaying said one of said first set of routines and said second set of routines in response to a routine identifier, corresponding to said one of said first set of routines and said second set of routines, contained in a portion of said entry.

27. (Currently Amended) The computer program product of claim 26 wherein said computer usable program code programming for displaying said one of said first set of routines and said second set of routines further comprises computer usable program code programming for displaying said first set of routines ~~routine~~ in response to said routine identifier in a routine field of said entry.

28. (Currently Amended) The computer program product of claim 26 wherein said computer usable program code programming for displaying said one of said first set of routines and said second set of routines further comprises computer usable program code programming for displaying said second set of routines ~~routine~~ in response to said routine identifier in a routine called field of said entry.

29. (Currently Amended) The computer program product of claim 21 further comprising computer usable program code programming for specifying a routine type, and wherein said step of displaying said one of said first set of routines and said second set of routines comprises computer usable program code programming for displaying said one of said first set of routines and said second set of routines in response to said routine type.

30. (Currently Amended) The computer program product of claim 21 further comprising computer usable program code programming for displaying said routine list in said first window region and said second window region ~~regions~~.